

## CLAIMS

### What is claimed is:

- 5           1.     A thick film conductor composition comprising:
  - a)     electrically conductive silver powder;
  - b)     PVDF/HFP polymer resin, copolymers of a  
PVDF/HFP polymer resin, and mixtures thereof;  
dissolved in
  - 10           c)     organic solvent.

with the provisos that the PVDF/HFP resin has a melt viscosity of 0.2-0.7  
kPoise and a DSC melt temperature in the range of 85-98°C.
- 15           2.     The composition of Claim 1 wherein the PVDF/HFP resin  
contains about 12-16 mole% of hexafluoropropylene (HFP) in the total  
resin composition.
- 20           3.     The composition of Claim 1 wherein the boiling point of the  
organic solvent is in the range of 180°C to 250°C.
- 25           4.     The composition of Claim 1 wherein the organic solvent is  
selected from the group comprising glycol ethers, ketones, esters, and  
mixtures thereof.
- 30           5.     The use of the composition of Claim 1 in membrane touch  
switch applications.
6.     A method of forming a membrane touch switch comprising:
  - a)     preparing the composition of Claim 1;
  - b)     applying the composition of a) onto a substrate;
  - c)     drying the composition of b) to form a circuit; and
  - d)     applying a voltage across the circuit of c).

1. 7. A membrane touch switch utilizing the composition of Claim

5 8. A membrane touch switch formed by the method of Claim 6.